



State of Utah

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11 October 2007

Mr. Cory Jensen
National Register Coordinator, and
Dr. Matthew Seddon
Deputy State Historic Preservation Officer
Utah Division of State History
300 Rio Grande
Salt Lake City, Utah 84101-1182

RE: Project No. IN-NH-15-6(149)245E; I-15 Reconstruction, South Payson
Interchange to 12300 South. **Determinations of Eligibility and Finding of
Effect. Request for Concurrence.**

Dear Mr. Jensen and Dr. Seddon:

The Federal Highway Administration (FHWA), and the Utah Department of Transportation (UDOT) are preparing to undertake the subject federal-aid project. The UDOT has made an effort to consider the effects of this undertaking on any historic or archaeological resources that could be eligible for the state or national registers, and to afford the Utah State Historic Preservation Office (USHPO) an opportunity to comment on the undertaking, as outlined in Section 106 of the National Historic Preservation Act of 1966, as amended, and U.C.A. 9-8-404. Please review this letter and, providing you agree with the determinations contained herein, sign and date the signature line at the end of this letter.

Project Description

The project will widen and reconstruct I-15 from the South Payson interchange in Utah County to the 12300 South interchange in Salt Lake County. The total distance for widening and reconstruction is 44 miles. It includes 20 potential interchange

improvements, and road realignment locations between the South Payson Interchange and 12300 South. Table 1 describes the location of the project.

Table 1. Legal Description of the Project Area Subject to Class III Inventory

U.S. Geological Survey 7.5-Minute Quadrangle	Township	Range	Section
Midvale ^a	3S	1W	13, 24, 25, 36
	4S	1W	1
	3S	1E	30, 31
	4S	1E	6
Jordan Narrows (1999)	4S	1W	1, 12, 13, 23, 24, 26, 36
	4S	1E	6, 7, 31
	5S	1E	6
Lehi (1998)	5S	1E	5, 6, 8, 9, 15, 16, 22
Pelican Point (1999)	5S	1E	22, 23, 24, 25,
	5S	2E	30, 31, 32
Orem (1998)	5S	2E	32
	6S	2E	4, 5, 9, 16, 21, 22, 27, 28, 34
Provo (1998)	6S	2E	34
	7S	2E	2, 3, 11, 12, 13
	7S	3E	18, 19, 30, 31
	8S	2E	13
	8S	3E	6, 7, 18
Spanish Fork (1998)	8S	2E	13, 23, 24, 26, 27, 33, 34
	8S	3E	18
	9S	2E	4, 5, 8, 9, 17, 18
West Mountain (1950 [p.r. 1975])	9S	2E	18, 19, 30
Santaquin (1998) ^b	9S	2E	30, 31
	10S	1E	1, 11, 12, 14, 15
	10S	2E	6

Notes: p.r. = photo revised.

^a 12300 South to 10600 South is no longer in the APE.

^b The Santaquin area is no longer in the APE.

The reports accompanying this letter provide specific details of the proposed reconstruction. A brief summary is provided here. The proposed widening and reconstruction on I-15 includes the following elements:

- Addition of general purpose lanes
- Extension of express lanes to US-6 in Spanish Fork
- Reconstruction of existing interchanges
- Construction of two new interchanges (Orem 800 South and North Lehi). Two interchange options are being considered at American Fork Main Street.
- Addition of a frontage road system in the Provo-Orem area. Four frontage road options (labeled A, B, C, and D) are being considered. Option A is the locally preferred alternative.
- Reconstruction of bridges that cross over or under I-15
- Improvement to cross streets as needed to tie into the existing roadway. Cross street widths are in accordance with the Metropolitan Planning Organization Long Range Plans.
- Accommodation for existing and planned pedestrian and bicycle crossings of I-15.

The proposed number of lanes on I-15 will vary along the corridor as indicated below:

- Payson to SR-164 Benjamin - 3 lanes each direction
- SR-164 Benjamin to US-6 - 4 lanes each direction
- South US-6 to University Parkway - 5 lanes each direction
- University Parkway to 12300 South - 6 lanes each direction

Architectural Resources

Determination of Eligibility for Architectural Resources in the I-15 Corridor Project Area
Ms. Kathryn Haley, a consultant with Jones and Stokes Environmental Consultants, conducted a selective architectural survey of historic buildings and structures located within and directly adjacent to the proposed improvements for Interstate I-15 from South Payson in Utah County to 12300 South in Salt Lake County. The consultant performed the survey in 2004, when the project was larger in scope and included various transit alternatives. In the intervening years, the project has been scaled back to address impacts related solely to improvements to the I-15 Corridor. The I-15 Corridor proposed improvements pass through the communities of Payson, Spanish Fork, Provo, Orem, American Fork and Lehi, and entail a 45-mile stretch of the interstate.

Ms. Haley recorded a total of 86 historical architectural properties within the I-15 Corridor Improvement survey area. In addition, UDOT staff identified two properties in the project area entered in the SHPO database as part of the previous Geneva Road study: 895 S. Geneva Road (Site 31.5) and 1451 W. 800 S. (Site 34.5). These sites are not included in the historic resource study for the I-15 Corridor proposed improvements. Table 2 lists the 88 properties.

The cutoff date for considering a property historical was set at 1960 in order to accommodate the projected completion date of the overall project Environmental Impact Statement. The reconnaissance survey for the I-15 Corridor Improvements includes all architectural properties identified within the historic period that are located one parcel adjacent to the proposed project alignment in which the buildings may be directly or indirectly affected by the proposed project. Although the scope of the highway improvements extends into southern Salt Lake County, no properties within the survey are located in Salt Lake County because the consultant could not locate architectural properties meeting the age requirement on parcels adjacent to the highway.

In April, 2007, the consultant surveyed properties at the reconnaissance level for potential interchange upgrades and other features that have been added to the project scope since 2004. These updated survey efforts consisted of surveying the areas where new interchanges are proposed as well as additional project features, and checking the previously recorded historic properties associated with the earlier report that included transit options.

Table 2. Historical Buildings Documented within the I-15 Project Area.

Map Number	Address	City	Approx. Date Built	Description	SHPO Rating/ Eligibility
01	4545 W. 11200 S.	Payson	1940	Masonry agricultural outbuilding with shed roof; alteration includes non-historic addition with gable roof and non-historic windows.	C/Not eligible.
02	192 S. 800 W.	Payson	1950	Minimal Traditional residence with garage and upper half-story appendage dating from historic period.	B/Eligible under Criteria A.
03	780 W. 100 S.	Payson	1955	20 th -Century Other residence of undetermined style; non-historic stucco, window surrounds and slider windows alter the appearance substantially.	C/Not eligible.
04	750 W. 100 S.	Payson	1955	Ranch style house with synthetic siding and carport that appear to date from historic period.	B/Eligible under Criteria A.
05	737 W. Utah	Payson	1890	Hall-parlor residence of general classical style; alterations include non-historic enclosed entrance and changes to the fenestration.	C/Not eligible.
06	704 W. Utah	Payson	1920	Bungalow residence; application of siding, removal of porch and non-historic windows have removed most of the character-defining features of the building.	C/Not eligible.
07	652 W. Utah	Payson	1920	Bungalow residence; alterations include windows and siding in the gable end that detract from the historic character of the house.	C/Not eligible.
08	640 W. Utah	Payson	1920	Bungalow residence.	B/Eligible under Criteria A.
09	103 N. 600 W.	Payson	1945	Minimal Traditional residence; alterations include non-historic alterations to the fenestration and an addition at the rear.	C/Not eligible.
10	520 W. 300 N.	Payson	1925	Period Cottage residence; alterations include non-historic stucco and brick siding; non-historic windows and a substantial covered patio area at the rear.	C/Not eligible.
11	467 W. 400 N.	Payson	1950	Early Ranch residence; alterations include non-historic windows and a cut-out foundation.	C/Not eligible.
12	412 W. 400 N.	Payson	1910	Victorian Gothic residence.	B/Eligible under Criteria A.

Map Number	Address	City	Approx. Date Built	Description	SHPO Rating/ Eligibility
13	625 N. Main	Payson	1950	Early Ranch residence.	B/Eligible under Criteria A.
14	8394 S. 2200 W.	Spanish Fork	1955	Early Ranch residence; alterations include fenestration changes and an addition at the rear.	C/Not eligible.
15	7658 S. 1600 W.	Spanish Fork	1890	Victorian Eclectic residence.	A/Eligible under Criteria A and C.
16	1378 W. 7300 S.	Spanish Fork	1890	Victorian Eclectic residence.	B/Eligible under Criterion A.
17	2572 W. 6800 S.	Spanish Fork	1920	Early 20 th -Century industrial building of indeterminate style.	B/Eligible under Criterion A.
18	1116 S. 500 W.	Provo	1955	Minimal Traditional residence; alterations include non-historic synthetic siding and windows.	C/Not eligible.
19	1100 S. 500 W.	Provo	1950	Minimal Traditional residence.	B/Eligible under Criterion A.
20	605 W. 1020 S.	Provo	1950	Early Ranch residence.	B/Eligible under Criterion A.
21	627 S. 1100 W.	Provo	1948	Minimal Traditional residence.	B/Eligible under Criterion A.
22	987 W. 600 S.	Provo	1940	Minimal Traditional residence.	A/Eligible under Criteria A and C.
23	1000 W. 600 S.	Provo	1940	Minimal Traditional residence; historic integrity is compromised by alterations to the windows and by an addition.	C/Not eligible.
24	1200 W. Center	Provo	1930	Service/bay business for automotive glass company; building is of Prairie School design; alterations include non-historic entrance bays and in-filling of some of the bays. The building also has an addition to the north that appears to be of the historic period, but has undergone similar alterations.	B/Eligible under Criterion A.
25	702 N. Geneva Road	Provo	1900	Victorian Eclectic residence. (Previously evaluated as part of Geneva Road).	A/Eligible under Criteria A and C.
26	722 N. Geneva Road	Provo	1935	Minimal Traditional residence. (Previously evaluated as part of Geneva Road).	B/Eligible under Criterion A.
27	768 N. Geneva Road	Provo	1910	Victorian Eclectic and Greek Revival style residence. (Previously evaluated as part of Geneva Road).	B/Eligible under Criterion A.
28	836 N. Geneva Road	Provo	1945	Minimal Traditional residence; property includes stucco building that dates from the historic period and was possibly a residence.	B/Eligible under Criterion A.
29	2367 W. 1700 N.	Provo	1890	Residence of general classical style; physical integrity has been compromised by the enclosure of the front porch and changes to the windows.	C/Not eligible.
30	530 W. 2000 S.	Provo	1940	One-story building associated with a steel manufacturing complex for Brown-Minneapolis Tank; subject building retains flat roof, plain fascia, and multi-pane metal windows.	B/Eligible under Criterion A.
31	1271 W. Univ. Parkway	Orem	1940	Agricultural buildings associated with former dairy farm.	B/Eligible under Criterion A.
31.5	895 S. Geneva	Orem	1890	Victorian Eclectic residence of cross-wing type. (Previously evaluated as part of Geneva Road).	B/Eligible under Criterion A.
32	865 S. Geneva	Orem	1955	Early Ranch residence. (Previously evaluated as part of Geneva Road).	B/Eligible under Criterion A.
33	849 S. Geneva	Orem	1955	Early Ranch residence. (Previously evaluated as part of Geneva Road).	B/Eligible under Criterion A.

Map Number	Address	City	Approx. Date Built	Description	SHPO Rating/ Eligibility
34	1467 W. 800 S.	Orem	1940	Early Ranch residence. (Previously evaluated as part of Geneva Road).	B/Eligible under Criterion A.
34.5	1451 W. 800 S.	Orem	1954	Ranch style residence. (Previously evaluated as part of Geneva Road).	B/Eligible under Criterion A.
35	1261 W. 800 S.	Orem	1915	Residence of undetermined style, associated with salvage yard, considered ineligible due to non-historic brick cladding, alterations to windows and entrance.	C/Ineligible.
36	? 1260 W. 800 S.	Orem	1915	Frame residence or outbuilding; original use unknown. The original massing and materials of buildings are intact.	B/Eligible under Criterion A.
37	95 S. 1200 W.	Orem	1955	Minimal Traditional residence; alterations include use of non-historic synthetic siding and windows.	C/Not eligible.
38	83 S. 1200 W.	Orem	1955	Minimal Traditional residence; alterations include the addition of a carport that appears to be outside of the historic period.	C/Not eligible.
39	12 S. 1160 W.	Orem	1950	Minimal Traditional residence.	B/Eligible under Criterion A.
40	1090 W. Center	Orem	1960	Ranch style residence; alterations include changes to the fenestration pattern of the house and the addition of a bay window not in keeping with the style of the house.	C/Not eligible.
41	895 N. 1200 W.	Orem	1920	Bungalow residence; alterations include the construction of non-historic, incompatible parapet walls, removal of historic porch elements and replacement windows.	C/Not eligible.
42	901 N. 1200 W.	Orem	1960	Service/bay commercial structure; alterations include non-historic service bay doors and changes to the office window.	C/Not eligible.
43	1545 W. 800 N.	Orem	1925	Bungalow residence; asbestos shingles date from the historic period.	B/Eligible under Criterion A.
44	600 E. 620 S.	American Fork	1890	Hall-Parlor plan residence of general classical style; historic integrity has been compromised by alterations to the entrance and windows.	C/Not eligible.
45	614 S. 330 E.	American Fork	1905	Early 20 th -century residence of undetermined style; alterations include extensive cladding of synthetic siding and the replacement of all windows with non-historic windows.	C/Not eligible.
46	485 S. 100 E.	American Fork	1940	Minimal Traditional residence with substantial addition at the rear. The addition appears to be constructed within the historic time period because it is covered with the same material (asbestos shingles) as the house.	B/Eligible under Criterion A.
47	440 S. 100 E.	American Fork	1960	Ranch style residence.	A/Eligible under Criteria A and C.
48	345 S. Center	American Fork	1910	Greek Revival style residence; alterations include the application of non-historic stucco, the removal or obscuring of the soffits and fascias with non-historic material and design; and replacement windows.	B/Eligible under Criterion A.
49	279 S. 100 W.	American Fork	1900	Victorian Eclectic residence; the house is completely clad in synthetic siding, obscuring all character-defining details. Windows have been replaced with non-historic materials that do not respect the historic fenestration pattern.	C/Not eligible.
50	150 W. 300 S.	American Fork	1945	20 th -Century warehouse building; building is distinctive for its round roof.	B/Eligible under Criteria A.
51	262 S. 100 W.	American Fork	1920	Bungalow residence.	B/Eligible under Criteria A.
52	252 S. 100 W.	American Fork	1920	English Tudor residence; significantly altered by the use of vertical siding, replacement of incompatible windows and door with the historic character of the house, and installation of an aluminum, shed	C/Not eligible.

Map Number	Address	City	Approx. Date Built	Description	SHPO Rating/ Eligibility
				roof porch on the street elevation.	
53	238 S. 100 W.	American Fork	???	Cross-wing plan residence of 20 th Century other style; non-historic brick wainscoting, and changes to the fenestration pattern compromise the historic integrity of the house.	C/Not eligible.
54	159 W. 200 S.	American Fork	1915	Prairie School-style bungalow residence.	A/Eligible under Criteria A and C.
55	187 W. 200 S.	American Fork	1935	Minimal Traditional residence.	B/Eligible under Criteria A.
56	360 W. 200 S.	American Fork	1930	20 th -Century Other residence, with narrow clapboard siding and deep eaves.	B/Eligible under Criterion A.
57	104 Roosevelt	American Fork	1940	Minimal Traditional residence.	A/Eligible under Criteria A and C.
58	447 Harrison Avenue	American Fork	1940	Minimal Traditional residence.	B/Eligible under Criterion A.
59	6670 W. 7750 N.	American Fork	1960	Early Ranch style residence with large, visible, two-story addition that appears to be out of the historic period.	C/Not eligible.
60	7086 W. 7750 N.	American Fork	1960	Early Ranch style residence; alterations include a large, attached garage addition, application of a clay tile roof and a large side addition (previously evaluated as part of Mountain View Corridor).	C/Not eligible.
61	889 W. Main	American Fork	1948	Quonset hut used as office for sound wall construction business. Alterations include replacement material for the entrance bays and in-fill windows.	C/Not eligible.
62	1101 W. Main	American Fork	1930	20th-century other residence; historic character is obscured by the application of synthetic siding, replacement windows, and the side addition.	C/Not eligible.
63	1028 W. Main	American Fork	1940	English Cottage style residence.	B/Eligible under Criterion A.
64	1220 E. Main	Lehi	1950	Streamline Moderne commercial building used for a restaurant.	B/Eligible under Criterion A.
65	700 E. Main	Lehi	1905	Lehi Roller Mills; commercial/industrial buildings listed on the National Register.	A/Listed under Criterion A and C.
66	250 N. 950 E.	Lehi	1960	Split level residence.	B/Eligible under Criterion A.
67	1000 E. State	Lehi	1890	Victorian Eclectic residence; replacement windows and large, shed roof addition to the side have significantly compromised the home's physical integrity.	C/Not eligible.
68	725 E. 500 N.	Lehi	1850???	Single-cell log residence. Located on property that includes a ranch-style house (c. 1960) as the primary residence.	A/Eligible under Criteria A and C.
69	625 N. 700 E.	Lehi	1915	20 th -Century other style house; the construction of a standing-seam metal roof porch wrapping around two elevations compromises the integrity of the structure.	C/Not eligible.
70	825 N. 400 E.	Lehi	1940	Minimal Traditional residence.	B/Eligible under Criterion A.
71	880 N. 100 E.	Lehi	1940	20 th - Century commercial building used for auto parts; physical integrity is compromised by the substantial addition on the street elevation, the replacement garage door, and the structure supporting the billboard directly overhead.	C/Not eligible.
72	816 W. State	Lehi	1950	Ranch style residence; physical integrity is compromised by the large, attached garage addition to the side.	C/Not eligible.

Map Number	Address	City	Approx. Date Built	Description	SHPO Rating/ Eligibility
73	802 W. State	Lehi	1925	Bungalow residence; alterations include the removal of original porch components and replacement windows that detract from the historic appearance of the house.	C/Not eligible.
74	830 W. State	Lehi	1910	Bungalow residence.	B/Eligible under Criterion A.
75	850 W. State	Lehi	1935	Minimal Traditional residence.	B/Eligible under Criterion A.
76	894 W. State	Lehi	1935	Period Revival residence; numerous alterations include the disability ramp, and loss of integrity of setting, due to the extensive hard-surfacing in front of the building.	C/Not eligible.
77	980 W. State	Lehi	1890	Classical other residence.	B/Eligible under Criterion A.
78	1000 W. State	Lehi	1920	Clipped gable bungalow cottage; alterations include the removal of the original porch details and the replacement of the historic windows.	C/Not eligible.
79	1985 N. 900 W.	Lehi	1940	Minimal Traditional residence; alterations include the rear addition and the use of slider windows.	C/Not eligible.
80	1024 W. State	Lehi	1955	Ranch/rambler house; alterations include a large side addition with a carport and garage attachment and replacement of the original windows. (Previously evaluated as part of Mountain View Corridor/Utah County).	C/Not eligible.
81	1060 W. State	Lehi	1940	Minimal Traditional residence.	B/Eligible under Criterion A.
82	1070 W. State	Lehi	1915	Minimal Traditional residence.	B/Eligible under Criterion A.
83	2200 N. 1100 W.	Lehi	1942	Industrial/manufacturing building (General Refractories) with no style.	B/Eligible under Criterion A.
84	2760 N. Frontage Road	Lehi	1960	UDOT maintenance shed of no style.	A/Eligible under Criteria A and C.
85	? Thanksgiving Way	Lehi	1930	Streamlined Moderne commercial building, now used for recreational vehicle sales.	A/Eligible under Criterion A and C.
86	4275 Thanksgiving Way	Lehi	1930	Commercial retail building of International style, in which wrought-iron goods and services are sold.	B/Eligible under Criteria A.

Ms. Haley documented 86 properties at the reconnaissance level. All the properties are located in Utah County. For the most part, the evaluation of the properties in the survey addresses primary buildings with related outbuildings. The survey also includes evaluations of four properties that are either a remnant of former commercial or agricultural establishments or the only building among several that meet the National Register eligibility for age. These properties include the following:

Site 1: 4545 W. 1200 S., Payson, used as a dairy farm.

Site 17: 572 W. 6800 S., Spanish Fork, former elevator of Anderson Lumber next to railroad alignment.

Site 30: 530 W. 2000 S., Provo, site of Brown-Minneapolis Tank, a steel manufacturing factory.

Site 31: 1271 W. University Parkway, Orem, former dairy farm that appears abandoned.

In addition, as described above, two additional properties were discovered in the project area that meet the age requirement. UDOT has thus evaluated 88 architectural properties in the project area. In terms of SHPO ratings for eligibility to the National Register of Historic Places, ten buildings were recommended as "A;" thirty-eight buildings were recommended as "B;" and the remaining forty buildings were recommended as "C." Site number 65, the Lehi Roller Mills, is the only site in the survey listed on the National Register of Historic Places.

The buildings in the survey area are predominantly residential. Seventy-three buildings, or 82 percent of the total surveyed, were constructed as single-family residences. Of these, 56 percent were constructed from 1940 to 1960. Forty-one houses fall within the stylistic categories associated with the war-time and post war years of Minimal Traditional, Early Ranch and Ranch/Rambler. Ten of the buildings are bungalows; the rest of the dwellings are evenly distributed between those with general classical references, and variants of Victorian and Period Cottage styles.

Non-residential buildings represent agricultural, commercial and industrial uses, and range from utilitarian outbuildings to intact examples of the Streamlined Moderne style. In the project area, examples of the non-residential buildings the consultant documented include warehouses, factory offices, service bay buildings associated with automotive repair, a Quonset hut, and the Lehi Roller Mills, which is listed on the National Register.

Taken as a whole, the buildings document the shift from an agrarian economy to one of pre- and post-war industrial uses, culminating in the suburban commercial and residential land-use patterns that characterize Utah County today.

The historic boundaries for the properties consist of the legal boundary for the parcel of land on which the building is located, based on current legal parcel descriptions provided by Utah and Salt Lake counties.

Finding of Effect of Proposed I-15 Corridor Improvements on Architectural Properties

In consultation with the Utah SHPO, the following criteria were used to evaluate effects of the project on historic properties: 1) No Effect – the ROW for the build alternative does not encroach on any part of the boundary defined for the historic property; 2) No Adverse Effect – the ROW for the build alternative is within the boundary of the historic property, but does not result in the acquisition of the historic property, and does not result in the alteration of any of the characteristics that qualify the property for the NRHP in a manner that would diminish any of the relevant aspects of integrity; 3) Adverse Effect – the ROW for the build alternative is within the boundary of the historic property, and

results in the acquisition of all or part of the historic property such that the characteristics that qualify it for the NRHP are altered in a manner that diminishes the integrity of the property.

Table 3 indicates the Finding of Effect of the proposed improvements on architectural properties surveyed within the project area. In the Central Utah County section (University Avenue Interchange to Pleasant Grove Interchange), UDOT is considering the following four alternatives:

- 1) Option A would include new frontage roads between the Provo Center Street and University Parkway interchanges and a new interchange at 800 South in Orem. West of I-15, 800 South would run southwesterly to a connection at Geneva Road, impacting the rear of the properties located on 800 South from I-15 to Geneva Road.
- 2) Option B would include new frontage roads and a flyover ramp would be constructed from southbound I-15 to eastbound University Parkway.
- 3) Option C includes a new interchange at 800 South in Orem. As with Option A, 800 South would run southwesterly to a connection at Geneva Road west of I-15, and would impact the rear of the properties located on 800 South from I-15 to Geneva Road.
- 4) Option D includes a flyover ramp from southbound I-15 to eastbound University Parkway.

The four options in the Central Utah County section have the potential to have different effects on sites 19 through 34.5.

In the North Utah County Section (Pleasant Grove Interchange to Salt Lake/Utah County Line), UDOT is considering reconstructing the interchange at Main Street in American Fork as a single point urban interchange (SPUI) or as a diamond interchange. Both options would have an adverse effect on Site 56 (360 W. 200 S.), and a minimal effect on Site 57 (104 Roosevelt).

Table 3. Finding of Effect on Historical Properties within the I-15 Project Area.

Map Number	Address	City	Nature of Impact	SHPO Rating/ Eligibility
01	4545 W. 11200 S.	Payson	No Historic Properties Affected.	C/Not eligible.
02	192 S. 800 W.	Payson	No Historic Properties Affected.	B/Eligible under Criteria A.
03	780 W. 100 S.	Payson	No Historic Properties Affected.	C/Not eligible.
04	750 W. 100 S.	Payson	No Historic Properties Affected.	B/Eligible under Criteria A.
05	737 W. Utah	Payson	No Historic Properties Affected.	C/Not eligible.
06	704 W. Utah	Payson	No Historic Properties Affected.	C/Not eligible.
07	652 W. Utah	Payson	No Historic Properties Affected.	C/Not eligible.
08	640 W. Utah	Payson	No Historic Properties Affected.	B/Eligible under Criteria A.

Map Number	Address	City	Nature of Impact	SHPO Rating/ Eligibility
09	103 N. 600 W.	Payson	No Historic Properties Affected.	C/Not eligible.
10	520 W. 300 N.	Payson	No Historic Properties Affected.	C/Not eligible.
11	467 W. 400 N.	Payson	No Historic Properties Affected.	C/Not eligible.
12	412 W. 400 N.	Payson	No Historic Properties Affected.	B/Eligible under Criteria A.
13	625 N. Main	Payson	No Historic Properties Affected.	B/Eligible under Criteria A.
14	8394 S. 2200 W.	Spanish Fork	No Historic Properties Affected.	C/Not eligible.
15	7658 S. 1600 W.	Spanish Fork	No Historic Properties Affected.	A/Eligible under Criteria A and C.
16	1378 W. 7300 S.	Spanish Fork	No Adverse Effect. Acquisition of 0.24 acre needed to widen roadway embankment; no contributing features would be impacted.	B/Eligible under Criterion A.
17	2572 W. 6800 S.	Spanish Fork	No Historic Properties Affected.	B/Eligible under Criterion A.
18	1116 S. 500 W.	Provo	No Historic Properties Affected.	C/Not eligible.
19	1100 S. 500 W.	Provo	No Adverse Effect. Acquisition of 0.006 acre needed for temporary construction easement for all options.	B/Eligible under Criterion A.
20	605 W. 1020 S.	Provo	No Historic Properties affected for all options.	B/Eligible under Criterion A.
21	627 S. 1100 W.	Provo	No Historic Properties affected for all options.	B/Eligible under Criterion A.
22	987 W. 600 S.	Provo	No Historic Properties affected for all options.	A/Eligible under Criteria A and C.
23	1000 W. 600 S.	Provo	No Historic Properties affected for all options.	C/Not eligible.
24	1200 W. Center	Provo	No Historic Properties Affected for all options. Project will be in a viaduct at this location, above the property. No work on the ground will impact building or property.	B/Eligible under Criterion A.
25	702 N. Geneva Road	Provo	No Adverse Effect. For options A and B, acquisition of 0.23 acre needed for permanent roadway widening. No Historic Properties affected for options C and D.	A/Eligible under Criteria A and C.
26	722 N. Geneva Road	Provo	No Historic Properties affected for all options.	B/Eligible under Criterion A.
27	768 N. Geneva Road	Provo	No Historic Properties affected for all options.	B/Eligible under Criterion A.
28	836 N. Geneva Road	Provo	No Adverse Effect. For options A and B, acquisition of 0.61 acre needed for permanent roadway widening embankment. No Adverse Effect. For options C and D, acquisition of 0.02 acre needed for permanent roadway widening embankment.	B/Eligible under Criterion A.
29	2367 W. 1700 N.	Provo	No Historic Properties affected for all options.	C/Not eligible.
30	530 W. 2000 S.	Provo	No Adverse Effect. For options A and B, acquisition of 0.67 acre needed for permanent roadway widening of 2000 North and 1740 North. No Historic Properties affected for options C and D.	B/Eligible under Criterion A.
31	1271 W. Univ. Parkway	Orem	No Historic Properties affected for all options.	B/Eligible under Criterion A.

Map Number	Address	City	Nature of Impact	SHPO Rating/ Eligibility
31.5	895 S. Geneva	Orem	No Adverse Effect. Options A and C will have an impact on the property, due to the connection of I-15 to Geneva Road between sites 31.5 and 32, but the options will not alter the site to make it ineligible. No Historic Properties Affected for Options B and D.	B/Eligible under Criterion A.
32	865 S. Geneva	Orem	No Adverse Effect. Options A and C will have an impact on the property, due to the connection of I-15 to Geneva Road between sites 31.5 and 32, but the options will not alter the site to make it ineligible. No Historic Properties Affected for Options B and D.	B/Eligible under Criterion A.
33	849 S. Geneva	Orem	No Historic Properties affected for all options.	B/Eligible under Criterion A.
34	1467 W. 800 S.	Orem	No Adverse Effect. Options A and C of require the acquisition of .14 acres at the rear of the parcel. No Historic Properties affected for options B and D.	B/Eligible under Criterion A.
34.5	1451 W. 800 S.	Orem	No Adverse Effect. Options A and C require the acquisition of .23 acres at the rear of the parcel. No Historic Properties Affected for Options B and D.	B/Eligible for Criterion A.
35	1261 W. 800 S.	Orem	No Historic Properties Affected.	C/Ineligible.
36	1260 W. 800 S.	Orem	Adverse Effect. Potential acquisition of primary building and property.	B/Eligible under Criterion A.
37	95 S. 1200 W.	Orem	No Historic Properties Affected.	C/Not eligible.
38	83 S. 1200 W.	Orem	No Historic Properties Affected.	C/Not eligible.
39	12 S. 1160 W.	Orem	No Adverse Effect. Acquisition of .009 acres for temporary construction and permanent reconstruction.	B/Eligible under Criterion A.
40	1090 W. Center	Orem	No Historic Properties Affected.	C/Not eligible.
41	895 N. 1200 W.	Orem	No Historic Properties Affected.	C/Not eligible.
42	901 N. 1200 W.	Orem	No Historic Properties Affected.	C/Not eligible.
43	1545 W. 800 N.	Orem	No Historic Properties Affected.	B/Eligible under Criterion A.
44	600 E. 620 S.	American Fork	No Historic Properties Affected.	C/Not eligible.
45	614 S. 330 E.	American Fork	No Historic Properties Affected.	C/Not eligible.
46	485 S. 100 E.	American Fork	No Historic Properties Affected.	B/Eligible under Criterion A.
47	440 S. 100 E.	American Fork	No Historic Properties Affected.	A/Eligible under Criteria A and C.
48	345 S. Center	American Fork	No Historic Properties Affected.	B/Eligible under Criterion A.
49	279 S. 100 W.	American Fork	No Historic Properties Affected.	C/Not eligible.
50	150 W. 300 S.	American Fork	Adverse Effect. Potential acquisition of primary building.	B/Eligible under Criteria A.
51	262 S. 100 W.	American Fork	No Historic Properties Affected.	B/Eligible under Criteria A.
52	252 S. 100 W.	American Fork	No Historic Properties Affected.	C/Not eligible.
53	238 S. 100 W.	American Fork	No Historic Properties Affected.	C/Not eligible.

Map Number	Address	City	Nature of Impact	SHPO Rating/ Eligibility
54	159 W. 200 S.	American Fork	No Historic Properties Affected.	A/Eligible under Criteria A and C.
55	187 W. 200 S.	American Fork	No Historic Properties Affected.	B/Eligible under Criteria A.
56	360 W. 200 S.	American Fork	Adverse Effect for option A. Potential acquisition of 0.36 acre of land needed for permanent widening of I-15 that would require acquisition of primary building.	B/Eligible under Criterion A.
			Adverse Effect for option B. Potential acquisition of 0.425 acre t needed for permanent widening of I-15 and proposed new frontage road that would require acquisition of primary building.	
57	104 Roosevelt	American Fork	No Adverse Effect for option A. Potential acquisition of 0.04 acre needed for temporary construction easement.	A/Eligible under Criteria A and C.
			No Adverse Effect for option B. Potential acquisition of 0.05 acre needed for temporary construction easement.	
58	447 Harrison Avenue	American Fork	No Historic Properties Affected.	B/Eligible under Criterion A.
59	6670 W. 7750 N.	American Fork	No Historic Properties Affected.	C/Not eligible.
60	7086 W. 7750 N.	Lehi?	No Historic Properties Affected.	C/Not eligible.
61	889 W. Main	American Fork	No Historic Properties Affected.	C/Not eligible.
62	1101 W. Main	American Fork	No Historic Properties Affected.	C/Not eligible.
63	1028 W. Main	American Fork	No Adverse Effect. For options A and B, acquisition of 1.12 acres needed for permanent widening of I-15.	B/Eligible under Criterion A.
64	1220 E. Main	Lehi	No Historic Properties Affected.	B/Eligible under Criterion A.
65	700 E. Main	Lehi	No Historic Properties Affected.	A/Listed under Criterion A and C.
66	250 N. 950 E.	Lehi	No Historic Properties Affected.	B/Eligible under Criterion A.
67	1000 E. State	Lehi	No Historic Properties Affected.	C/Not eligible.
68	725 E. 500 N.	Lehi	No Historic Properties Affected.	A/Eligible under Criteria A and C.
69	625 N. 700 E.	Lehi	No Historic Properties Affected.	C/Not eligible.
70	825 N. 400 E.	Lehi	No Historic Properties Affected.	B/Eligible under Criterion A.
71	880 N. 100 E.	Lehi	No Historic Properties Affected.	C/Not eligible.
72	816 W. State	Lehi	No Historic Properties Affected.	C/Not eligible.
73	802 W. State	Lehi	No Historic Properties Affected.	C/Not eligible.
74	830 W. State	Lehi	No Adverse Effect. Potential acquisition of 0.03 needed for permanent widening of I-15 and an additional 3,400 square feet needed for temporary construction.	B/Eligible under Criterion A.
75	850 W. State	Lehi	No Adverse Effect. Acquisition of 0.03 acre of land needed for permanent widening of I-15 and an additional 4,500 square feet needed for temporary construction.	B/Eligible under Criterion A.
76	894 W. State	Lehi	No Historic Properties Affected.	C/Not eligible.

Map Number	Address	City	Nature of Impact	SHPO Rating/ Eligibility
77	980 W. State	Lehi	No Adverse Effect. Acquisition of 0.085 acre needed for permanent widening of I-15 and an additional 10,500 square feet needed for temporary construction.	B/Eligible under Criterion A.
78	1000 W. State	Lehi	No Historic Properties Affected.	C/Not eligible.
79	1985 N. 900 W.	Lehi	No Historic Properties Affected.	C/Not eligible.
80	1024 W. State	Lehi	No Historic Properties Affected.	C/Not eligible.
81	1060 W. State	Lehi	No Adverse Effect. Acquisition of 0.02 acre of land needed for permanent widening of I-15 and interchange reconstruction.	B/Eligible under Criterion A.
82	1070 W. State	Lehi	No Adverse Effect. Acquisition of 0.023 acre of land needed for permanent widening of I-15 and interchange reconstruction.	B/Eligible under Criterion A.
83	2200 N. 1100 W.	Lehi	No Adverse Effect. Acquisition of 2.43 acres of land needed for relocation of existing frontage road and for permanent widening of 1200 West, will not affect structures.	B/Eligible under Criterion A.
84	2760 N. Frontage Road	Lehi	No Historic Properties Affected.	A/Eligible under Criteria A and C.
85	? 4175 Thanksgiving Way	Lehi	No Adverse Effect. Strip acquisition of 0.702 acre of land needed for permanent widening of I-15 and frontage road.	A/Eligible under Criterion A and C.
86	4275 Thanksgiving Way	Lehi	No Adverse Effect. Strip acquisition of 0.15 acre of land needed for permanent widening of I-15 and frontage road.	B/Eligible under Criteria A.

Archaeological Sites

Jones and Stokes' Class III cultural resources inventory documented fifteen archaeological sites. Fourteen of the fifteen archaeological sites have been previously recorded. Twelve of the fifteen sites are determined eligible for the NRHP, and three are determined non-eligible. The non-eligible sites are summarized in Table 4. Each of them has been documented in the past and has been determined non-eligible through previous consultation.

Table 4. Non-eligible sites within the project APE.

Site Name (Number)	Condition	Eligibility
Bull River Ditch (42UT973)	Abandoned, piped in APE.	Previously recorded and determined not eligible in 1996.
Fox Ditch (42UT974)	Abandoned, piped in APE	Previously determined not eligible in 1996.
Matson Canal (42UT1553)	Open canal, truncated, and lacks integrity.	Previously determined not eligible in August 2007

Segments of the Bull River Ditch have been recorded a number of times, most recently in 2007 for an Environmental Assessment of improvements to SR-92. It has previously been determined not eligible, as it does not meet any criteria for eligibility for nomination to the NRHP, and lacks integrity in a number of regards.

The Fox Ditch was determined not eligible in 1996. It exists as an open ditch on either side of the freeway, but it is piped beneath the freeway through the entire APE.

A segment of the Matson Canal was recorded in 2007, for a study of interchange improvements at the south Springville interchange. It was determined not eligible for nomination to the NRHP under any criteria. That segment includes the entire segment documented as part of the I-15 inventory.

The remaining twelve sites have been determined eligible for nomination to the NRHP. These are presented in Table 5. All but one of these sites have been determined eligible through previous consultation. The exception is the West Union Canal (42UT1568), newly recorded for this project.

Table 5. Eligible sites in the APE.

Site Name/Number	Eligibility; NHPA criteria	Effect Determination
South Field Canal, (42UT935)	Eligible; A, C	No Adverse Effect. Will not alter character-defining features.
Murdock Canal (42UT947)	Eligible; A	No Adverse Effect. Segment already piped beneath I-15
Salt Lake and Western Railroad Grade (42UT948)	Eligible; A	No Adverse Effect, Non-contributing element will not be impacted under current plans.
D&RGWRR (42UT1101/SL293)	Eligible; A	No Adverse Effect Will not alter character-defining features
Utah Southern Railroad (42UT1029/SL344)	Eligible; A	Adverse Effect. Relocation likely necessary at Point of the Mountain.
Lake Bottom Canal, (42UT1032)	Eligible; A	Adverse Effect. Approximately two miles lie within APE. Will likely be relocated or placed in a culvert.
Mill Race Canal (42UT1485)	Eligible; A	No Adverse Effect. Will not alter character-defining features.
West Union Canal (42UT1568)	Eligible; A	No Adverse Effect. Will not alter character-defining features.
Provo Viaduct (D-413)	Eligible; A, C	Adverse Effect. Plans call for complete removal of viaduct.
Jordan & Salt Lake City Canal (42SL214)	Eligible; A	No Effect. Will not alter character-defining features.
East Jordan Canal (42SL290)	Eligible; A	No Adverse Effect. Will not alter character-defining features.
Draper Irrigation Canal (42SL350)	Eligible; A	No Adverse Effect. Segment piped beneath I-15

The I-15 reconstruction project will have an Adverse Effect on three of twelve historic properties (Table 5). This is true under any of the Central Utah County options described above. The three historic properties that will be adversely affected by the proposed action are:

- The Provo Viaduct
- The Lake Bottom Canal,
- And the Utah Southern/Union Pacific Railroad.

The Provo Viaduct will be completely torn down as part of the interchange reconstruction at Provo's Center Street. Approximately two miles of the Lake Bottom Canal will be adversely affected. Affected segments will have to be relocated, or placed into a pipe underneath the reconstructed freeway. Finally, a portion of the Utah Southern/Union Pacific Railroad rail line at the Point of the Mountain will likely have to be relocated.

The project will have No Adverse Effect on the remaining nine historic properties. Three of them are canals, and the only impact will be extending existing culverts. These are the Mill Race Canal, the West Union Canal, and the Jordan and Salt Lake City Canal. At the East Jordan Canal, work will include widening the bridge over the canal, but will not effect the canal itself. The Draper Irrigation Ditch and Murdock Canal are already piped beneath I-15, and this project will not alter these canals. The affected segment of the Salt Lake and Western Railroad Grade is a non-contributing element, and the project will not alter any character-defining elements or attributes. The project will also have No Adverse Effect on the South Field Canal, which runs beneath a concrete-slab bridge, and the Denver and Rio Grande Western Railroad.

Summary

For archeological properties, the alternatives will have an Adverse Effect on three of twelve historic properties, including the Provo Viaduct, the Lake Bottom Canal, and the Utah Southern/Union Pacific rail line. This is true for each of the available construction options.

For architectural properties, the proposed improvements to I-15 in the subject area would require the acquisition of the following three properties, 1260 W. 800 S. in Orem (site 36); 150 W. 300 S. (site 50) and 360 W. 200 S. (site 56), both in American Fork. UDOT would need to acquire the properties regardless of the options discussed above for 800 South in Orem and the reconfiguration of the interchange at Main Street in American Fork. Table 6 summarizes the effects on architectural properties of the proposed options.

Table 6. Summary of Effects of I-15 Improvements for 800 South (Orem) Options on Architectural Properties.

Options under study for 800 S. in Orem	No Historic Properties Affected	No Adverse Effect	Adverse Effect
Option A	65	20	3
Option B	69	16	3
Option C	67	18	3
Option D	71	14	3

The affect on architectural properties for both options under consideration of the reconfiguration of the interchange at Main Street in American Fork would be the same: an adverse effect 360 W. 200 S. (site 50), and No Adverse Effect on 104 Roosevelt (site 56).

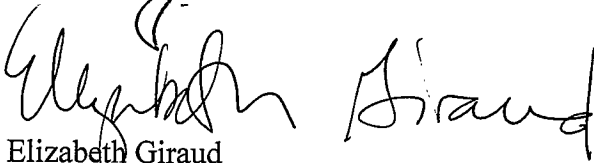
The UDOT finds that the I-15 widening and reconstruction project will result in an overall **Adverse Effect**.

Thank you for your review of this document. If you have any questions, please contact us at (801) 227-8062 (jasonbright@utah.gov) or 965-4917(egiraud@utah.gov).

Respectfully,



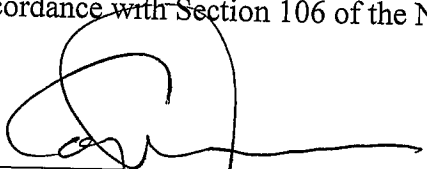
Jason Bright
Region 3 NEPA/NHPA Specialist

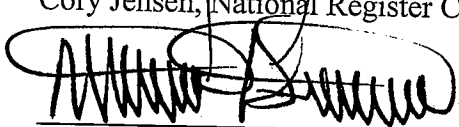


Elizabeth Giraud
UDOT Architectural Historian

Enclosures

I concur with the **determinations of eligibility and findings of effect** for UDOT Project No. IN-NH-15-6(149)245E; I-15 Reconstruction, 12300 South to South Payson Interchange; and with an overall finding that the project will have an **Adverse Effect**; in accordance with Section 106 of the NHPA and U.C.A. 9-8-404.


Cory Jensen, National Register Coordinator


Matthew Seddon, Deputy SHPO

Date

10/16/07

Date